

FIG. 1

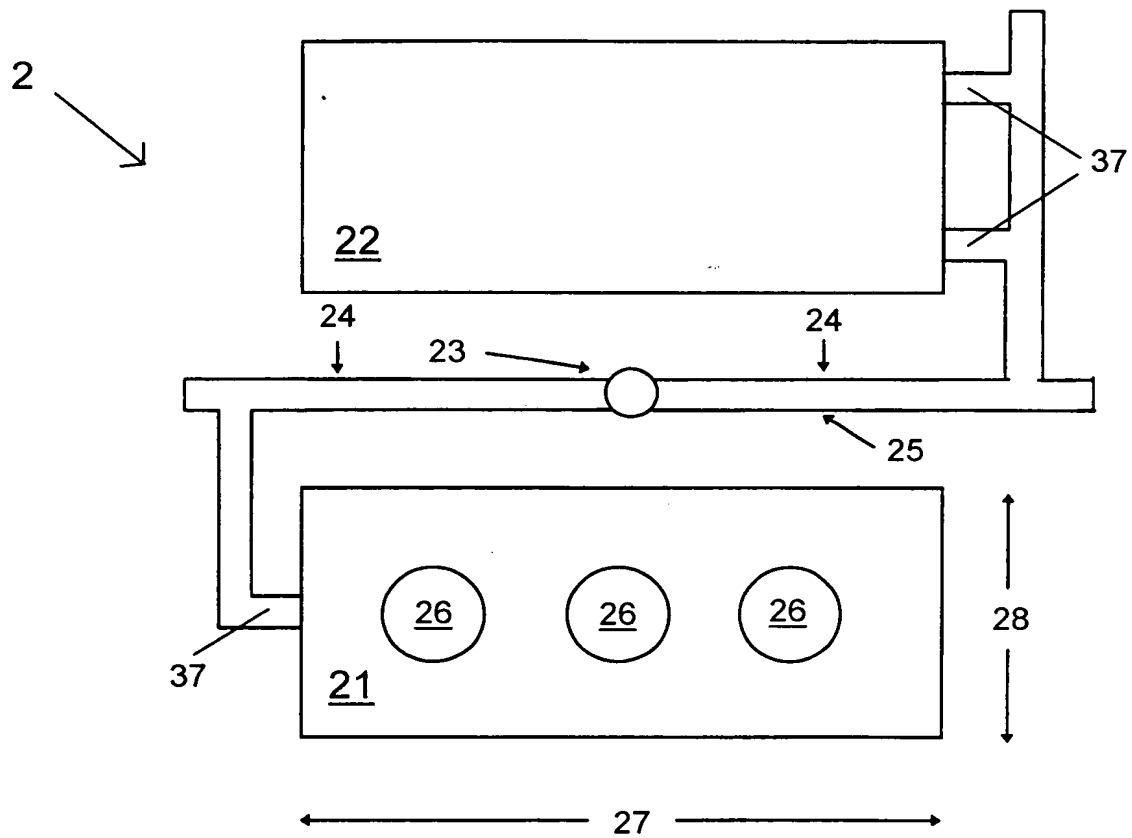


FIG. 2

3

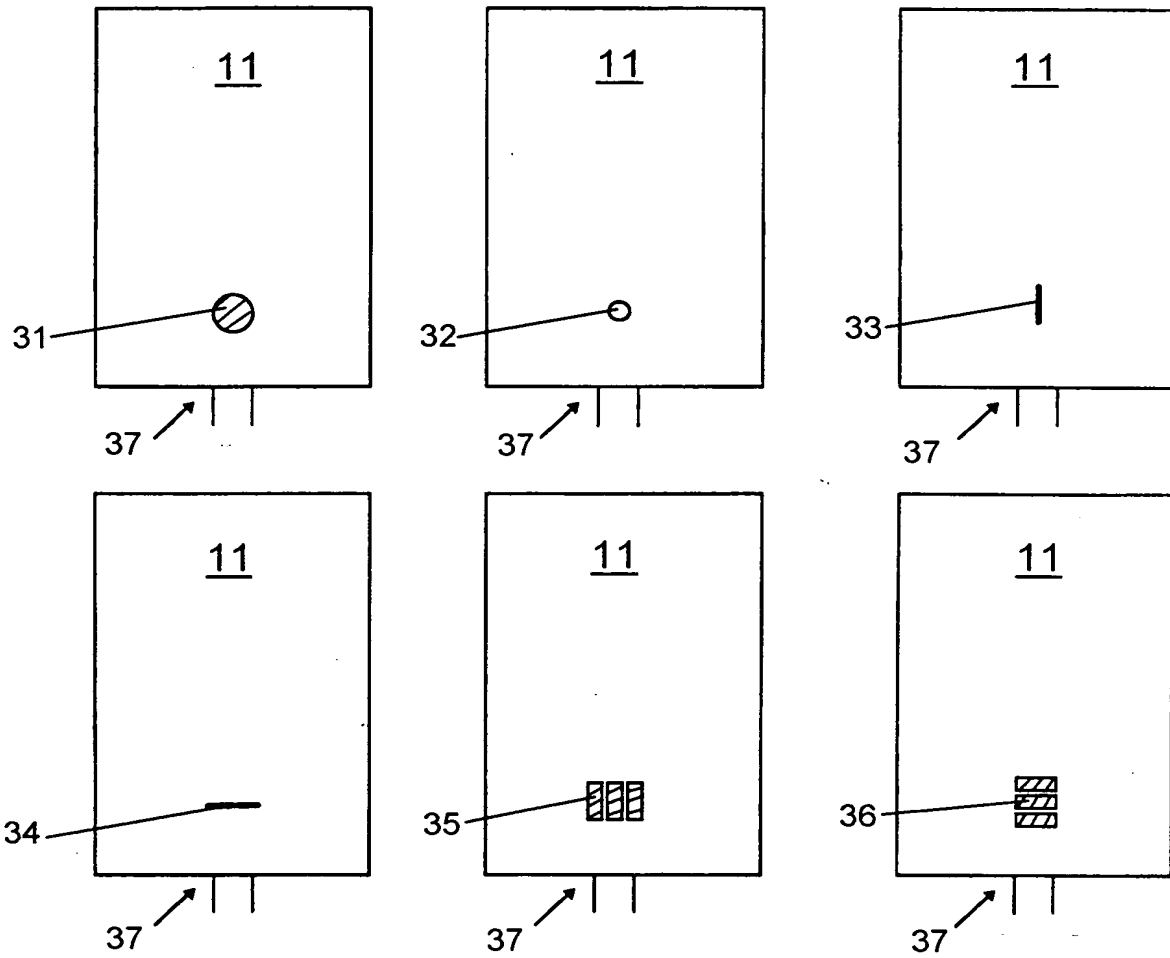


FIG. 3

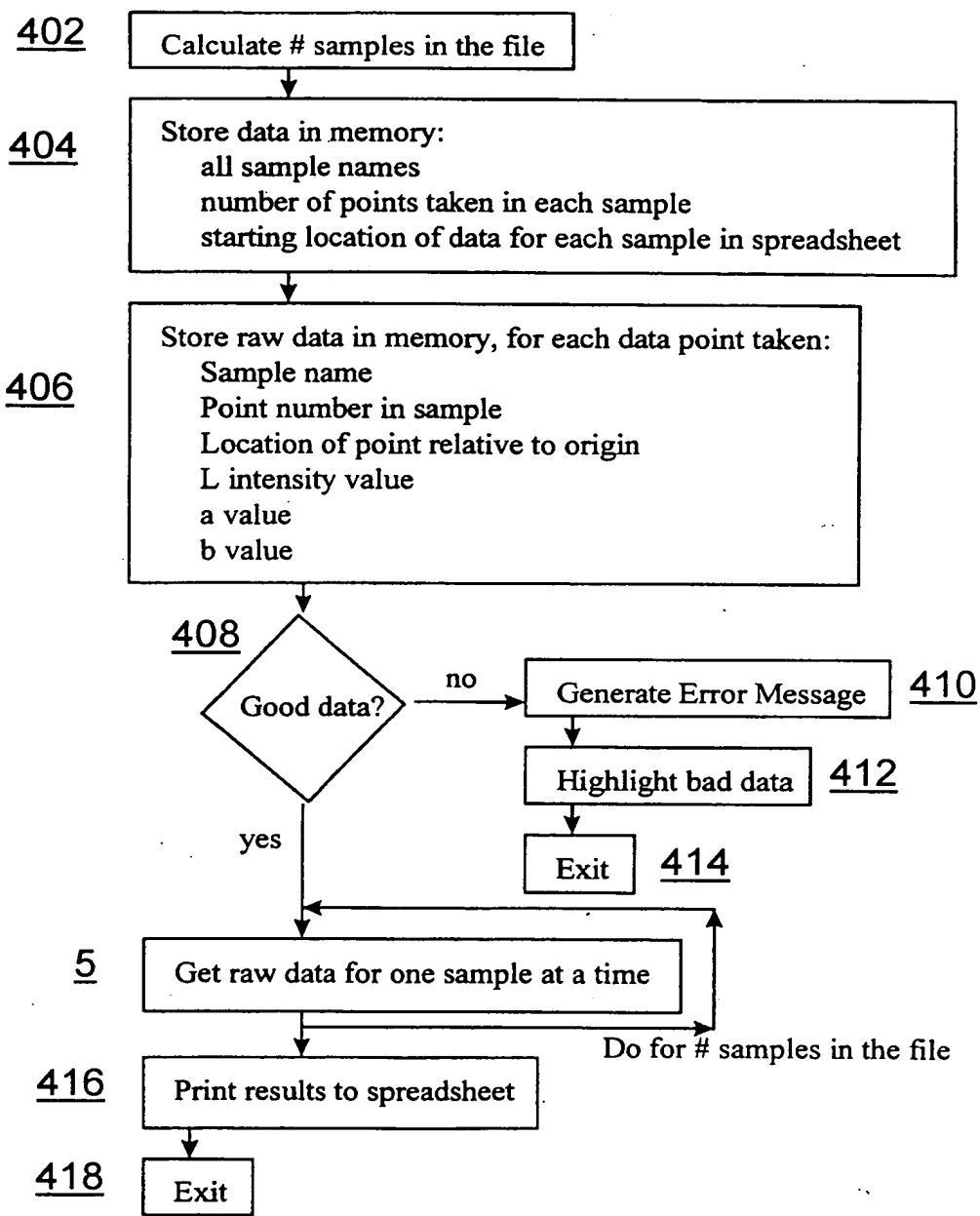
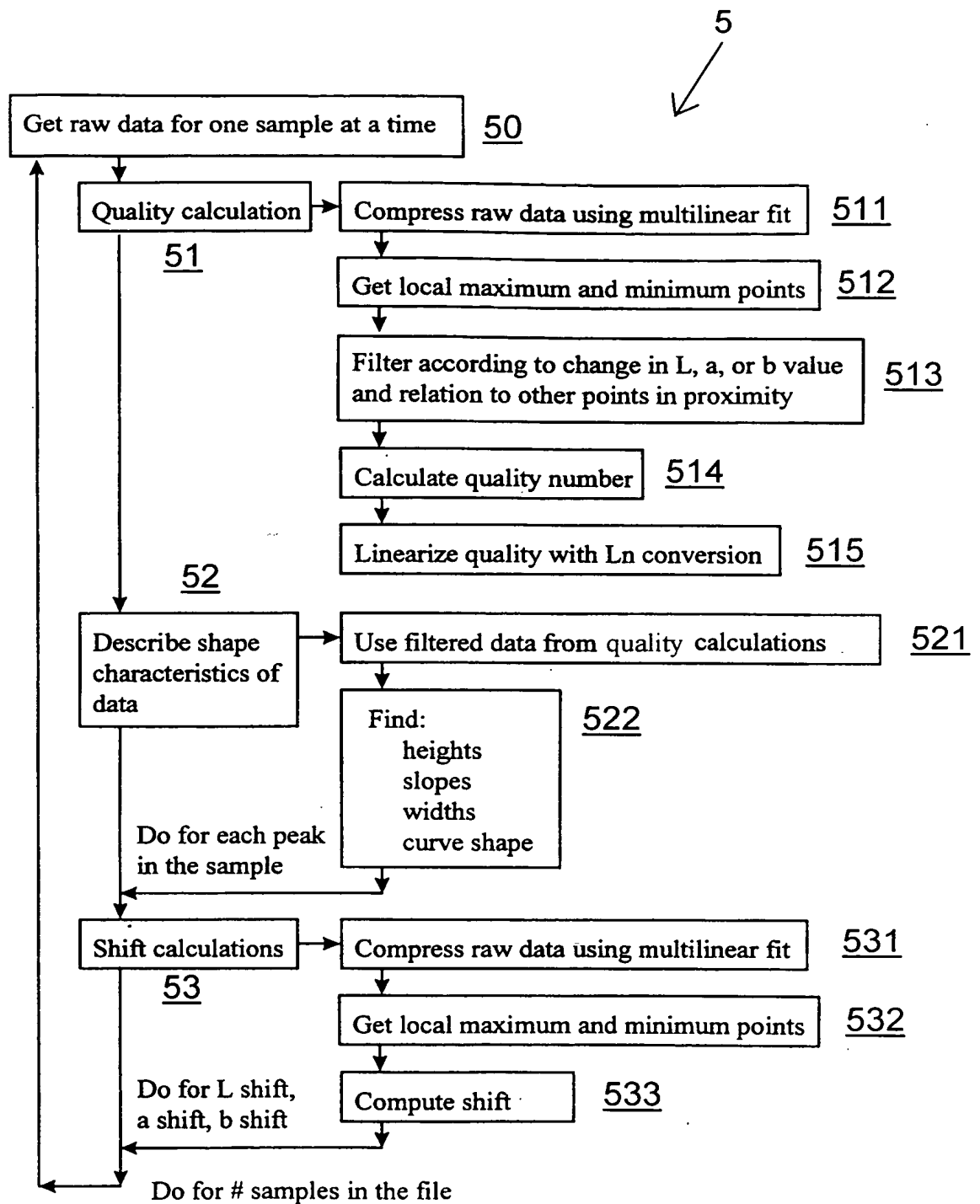


FIG. 4



# Description of signal peaks

L vs x position for raw and compressed data

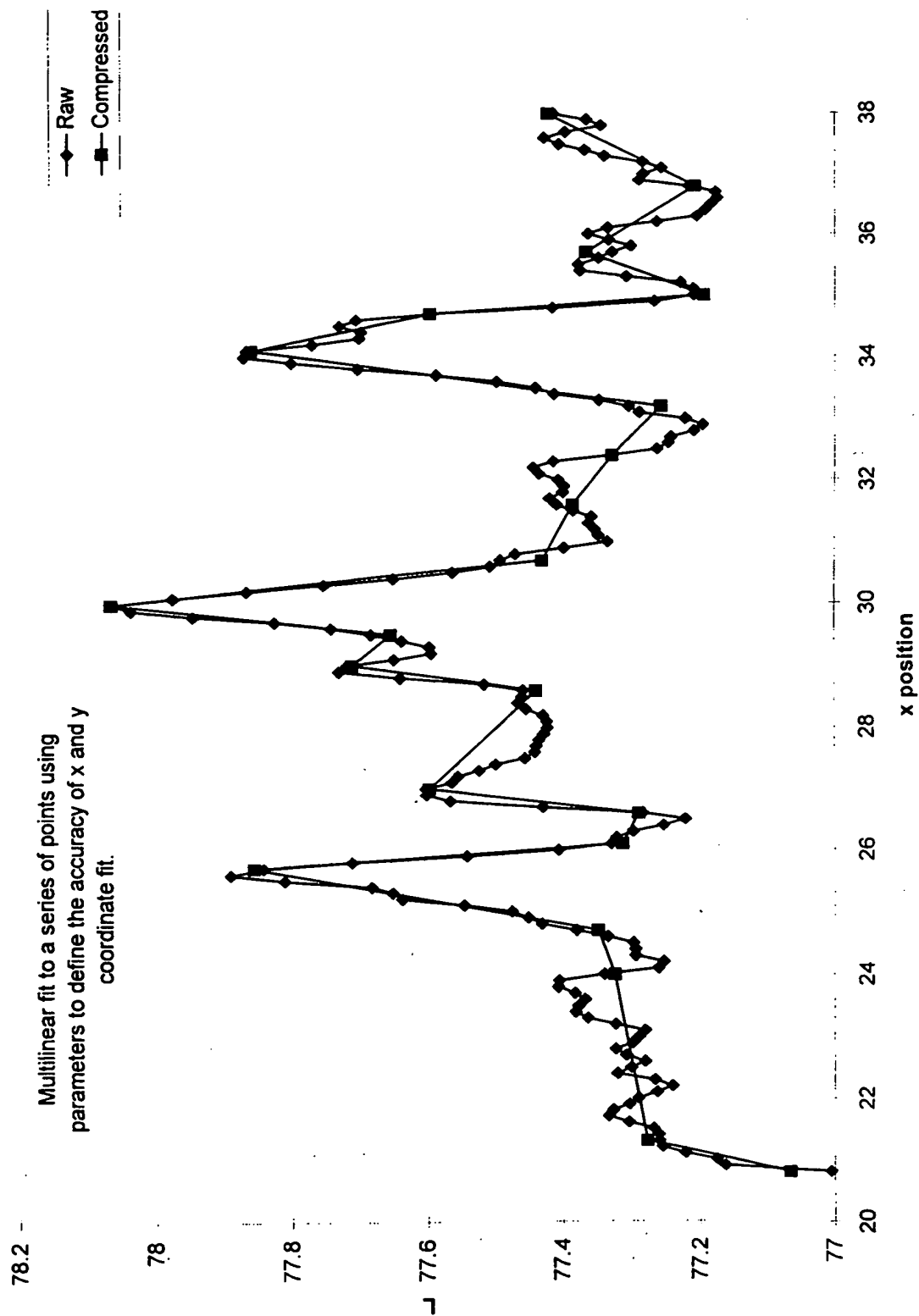


FIG. 6

# Description of signal peaks

L vs x position for compressed and first iteration of peak and valley detection data

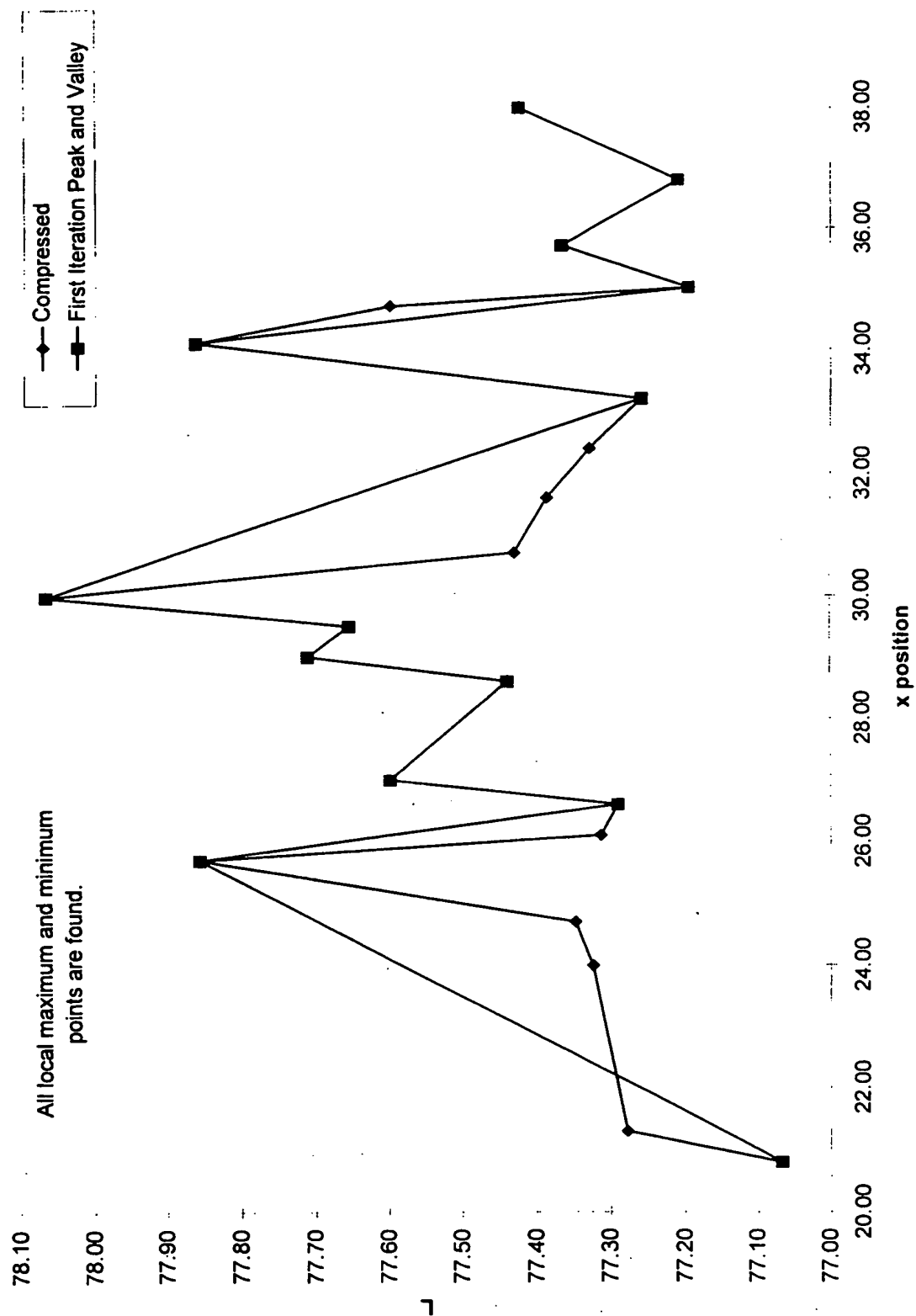


FIG. 7

# Description of signal peaks

L vs x position for first iteration and second iteration of peak and valley detection

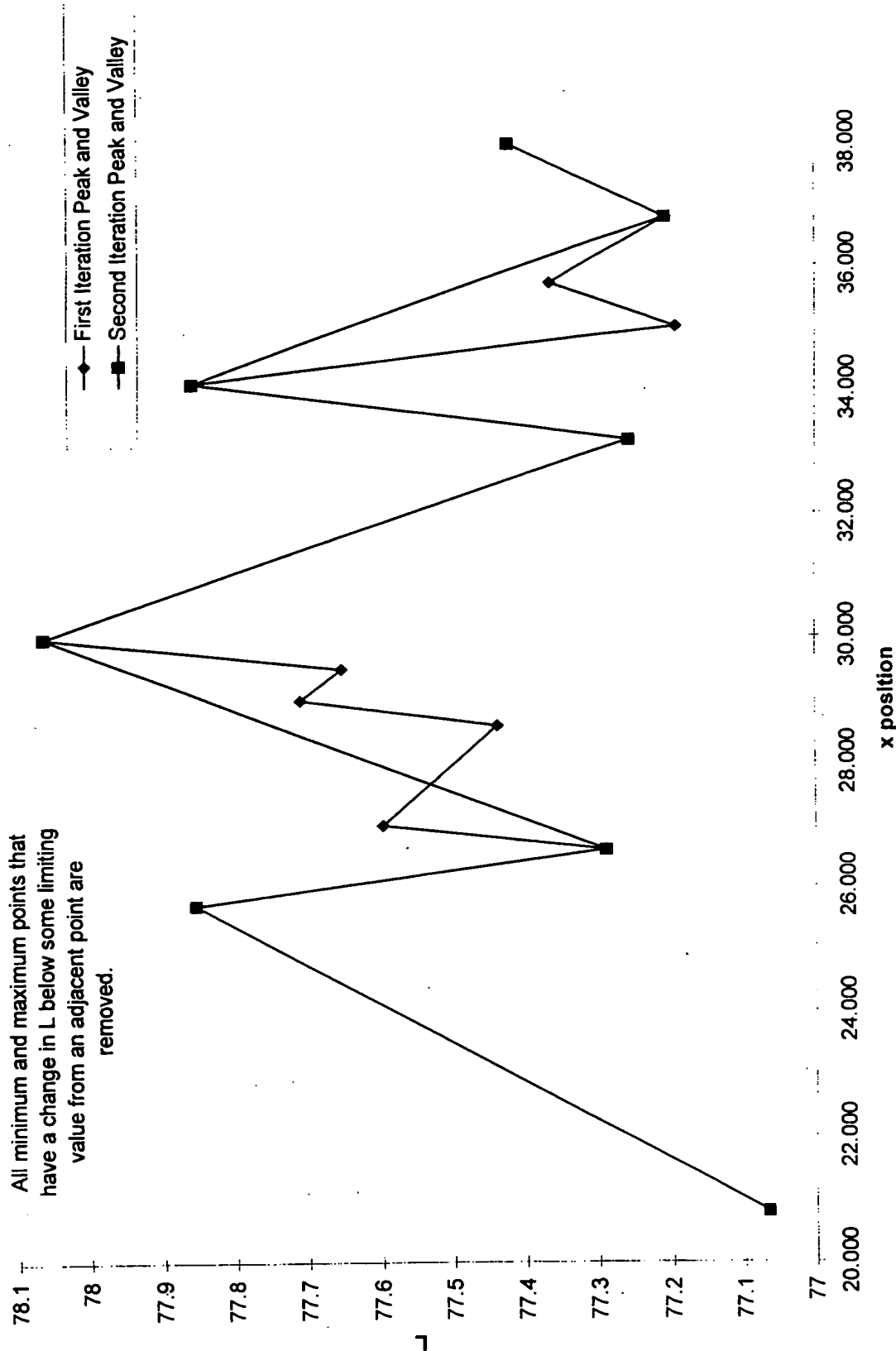


FIG. 8



# Description of signal peaks

L vs x position for second iteration and third iteration of peak and valley detection

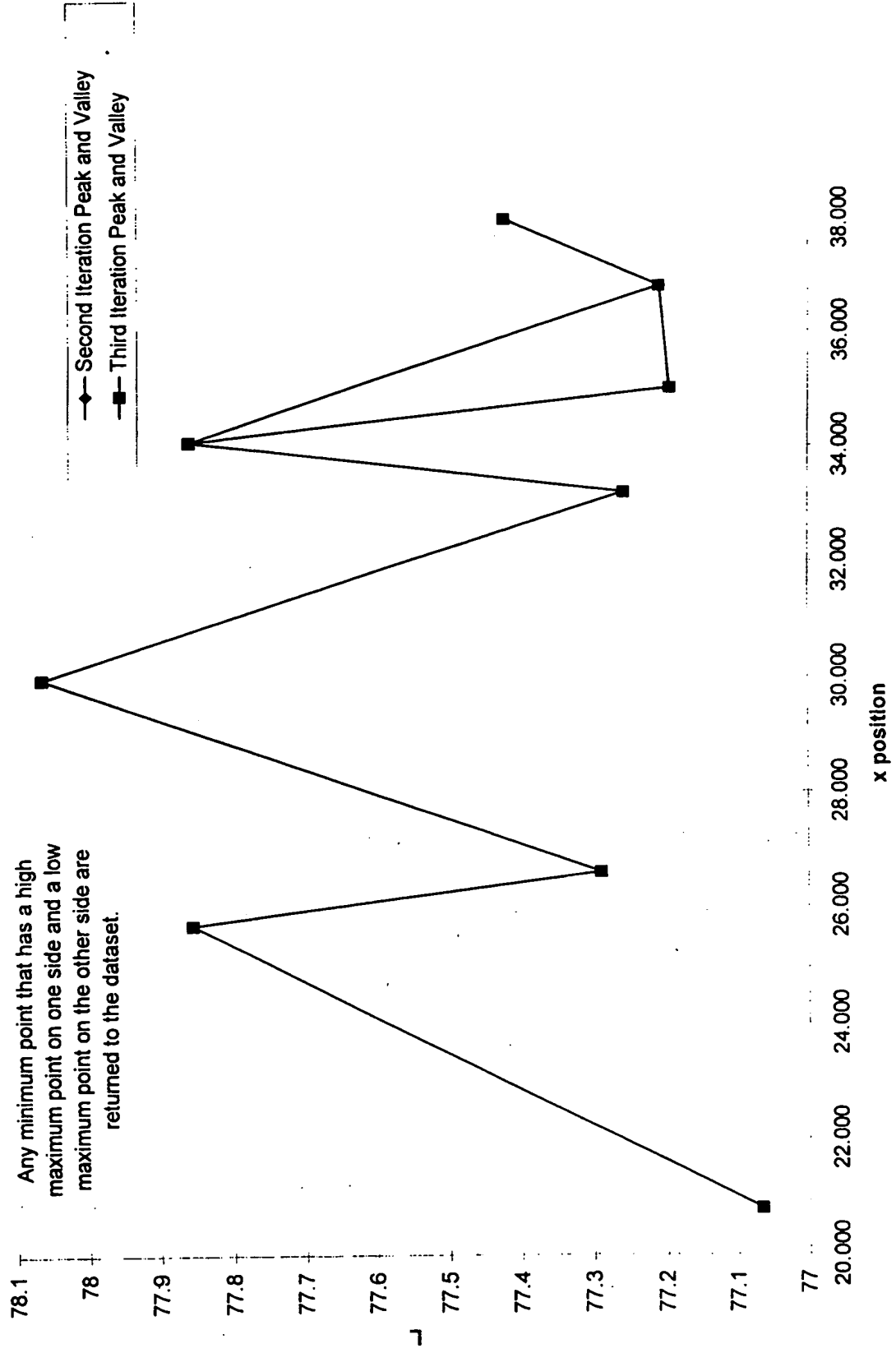


FIG. 9

# Quality Calculation

L vs x position for Quality calculation

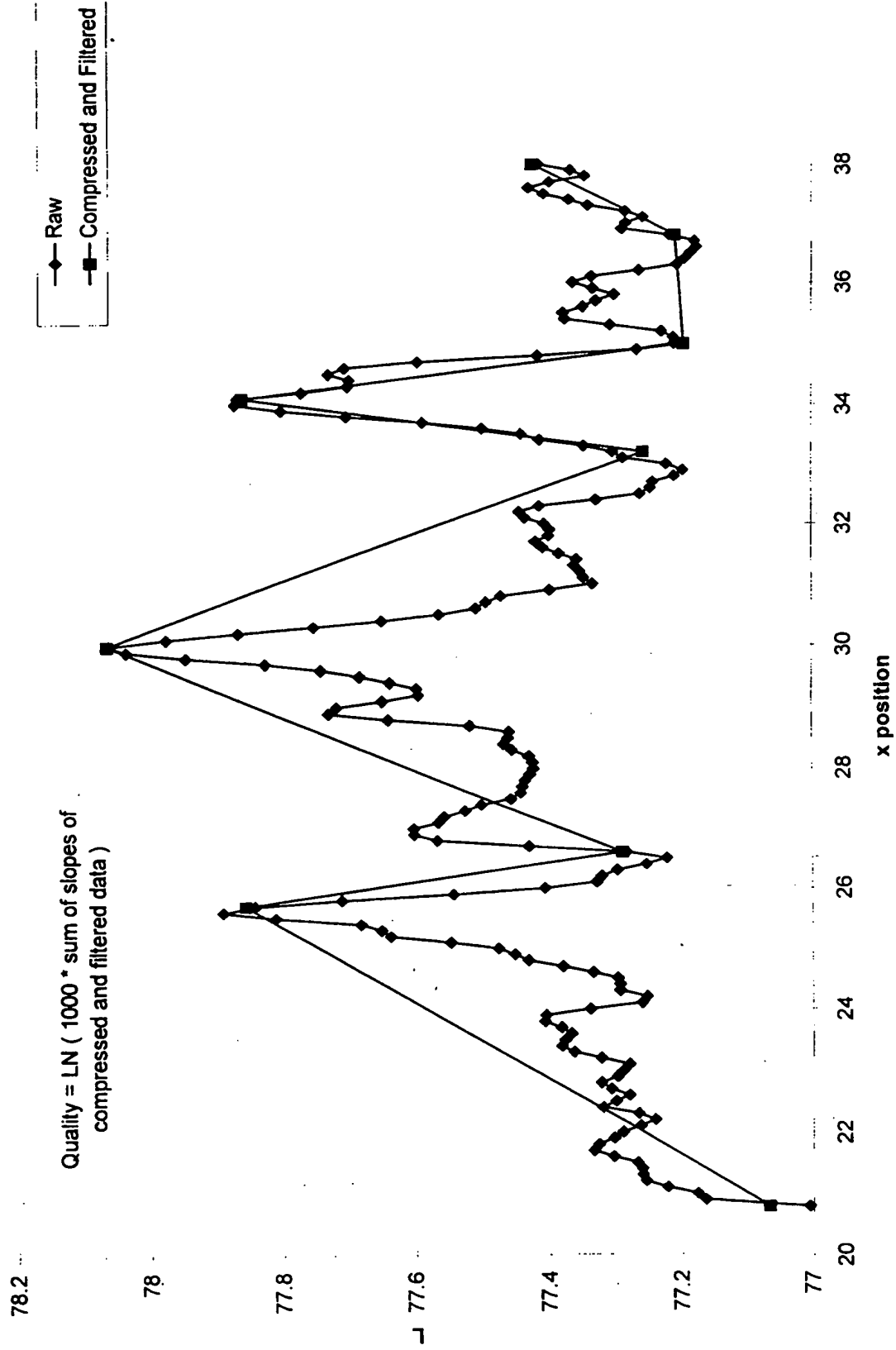


FIG. 10

# Description of signal peaks

Key	Λ	Width (Top)	Height (Left; Right)	Slope (Left; Right)
V	V	Width (Top)	Height (Left; Right)	Slope (Left; Right)
U	U	Width (Top; Bottom)	Height (Left; Right)	Slope (Left; Right)
W	W	Width (Top; Left; Right; Bottom)	Height (Left; Mid Left; Mid Right; Right)	Slope (Left; Mid Left; Mid Right; Right)

Sample	Shift	Width	Height	Slope
spot01_1	Λ	5.8	0.79; 0.57; Avg (0.68)	0.16; -0.63
Λ	Λ	6.9	0.78; 0.81; Avg (0.795)	0.23; 0.25
Λ	Λ	1.8	0.6; 0.66; Avg (0.63)	0.67; -0.73

L vs x position

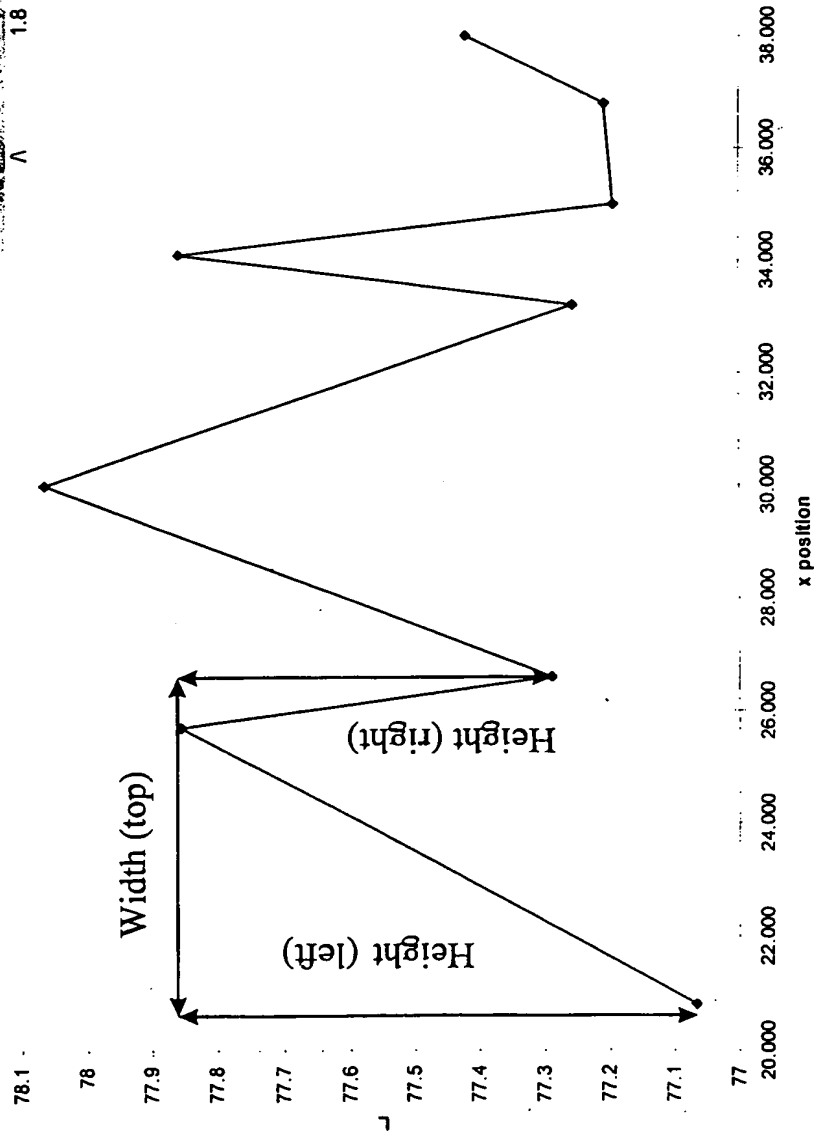


FIG. 11

# L Shift Calculation (similar for a shift and b shift calculations)

L vs x position for raw and compressed data

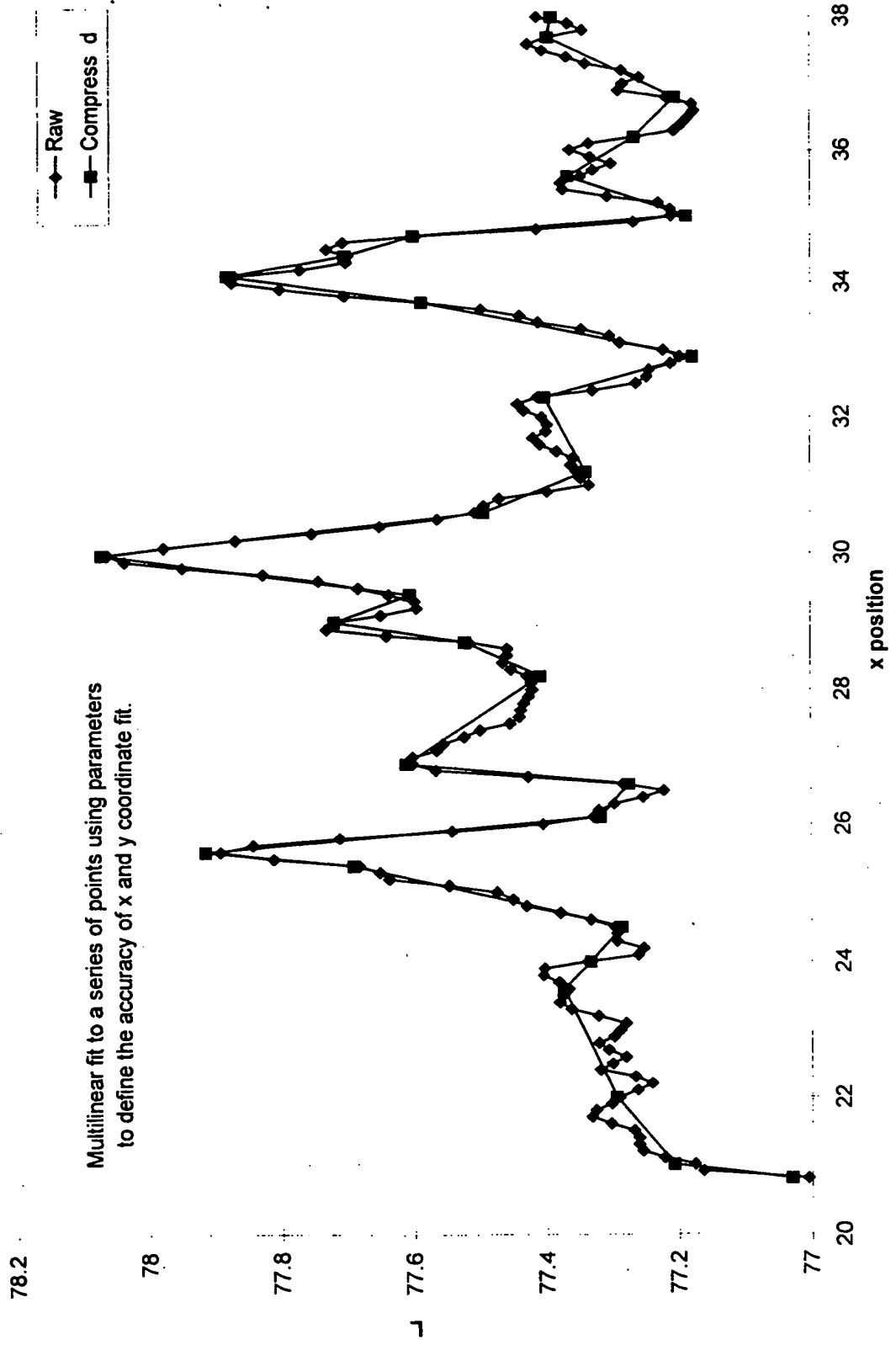


FIG. 12

# L Shift Calculation (similar for a shift and b shift calculations)

L vs x position for L Shift calculation

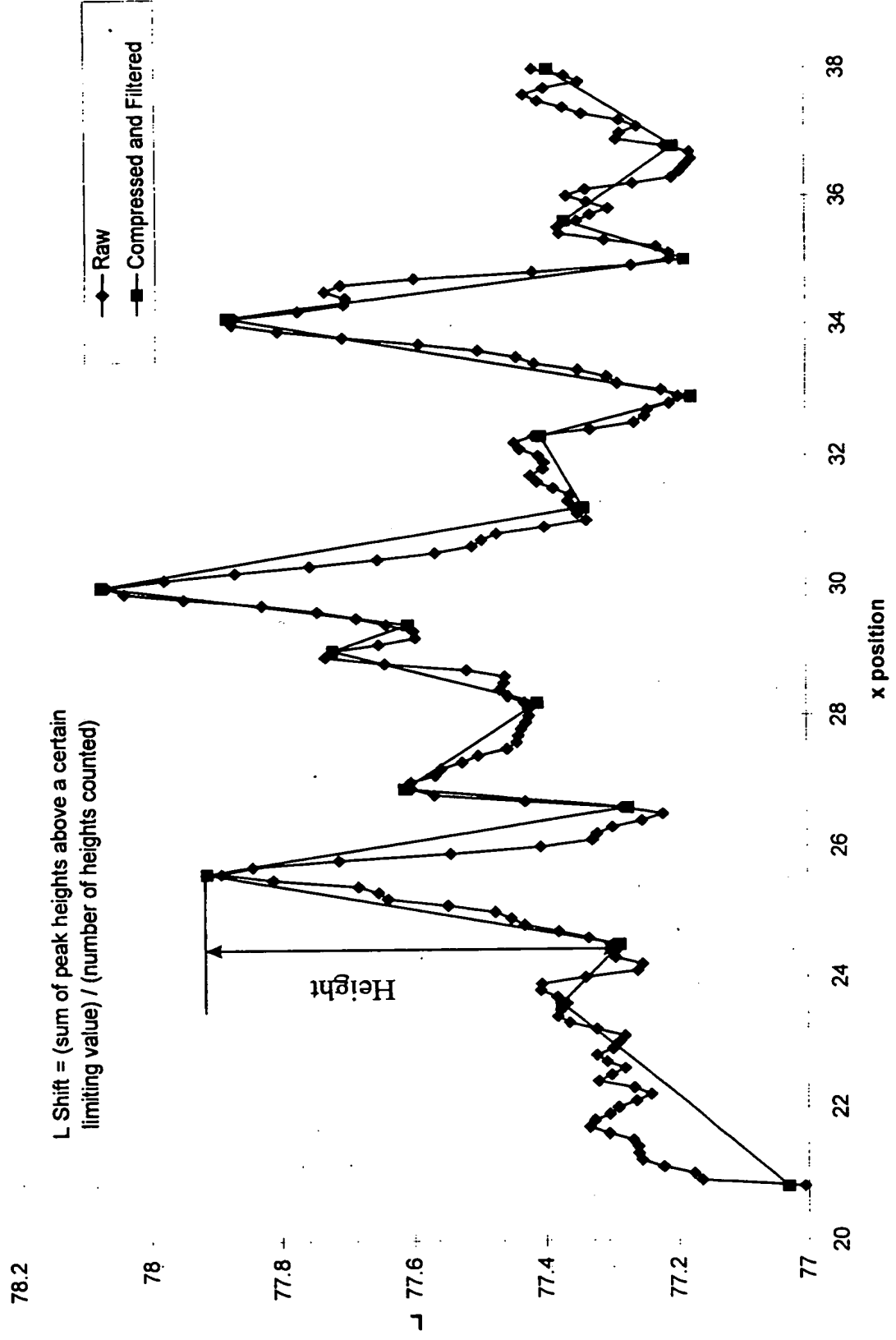


FIG. 13